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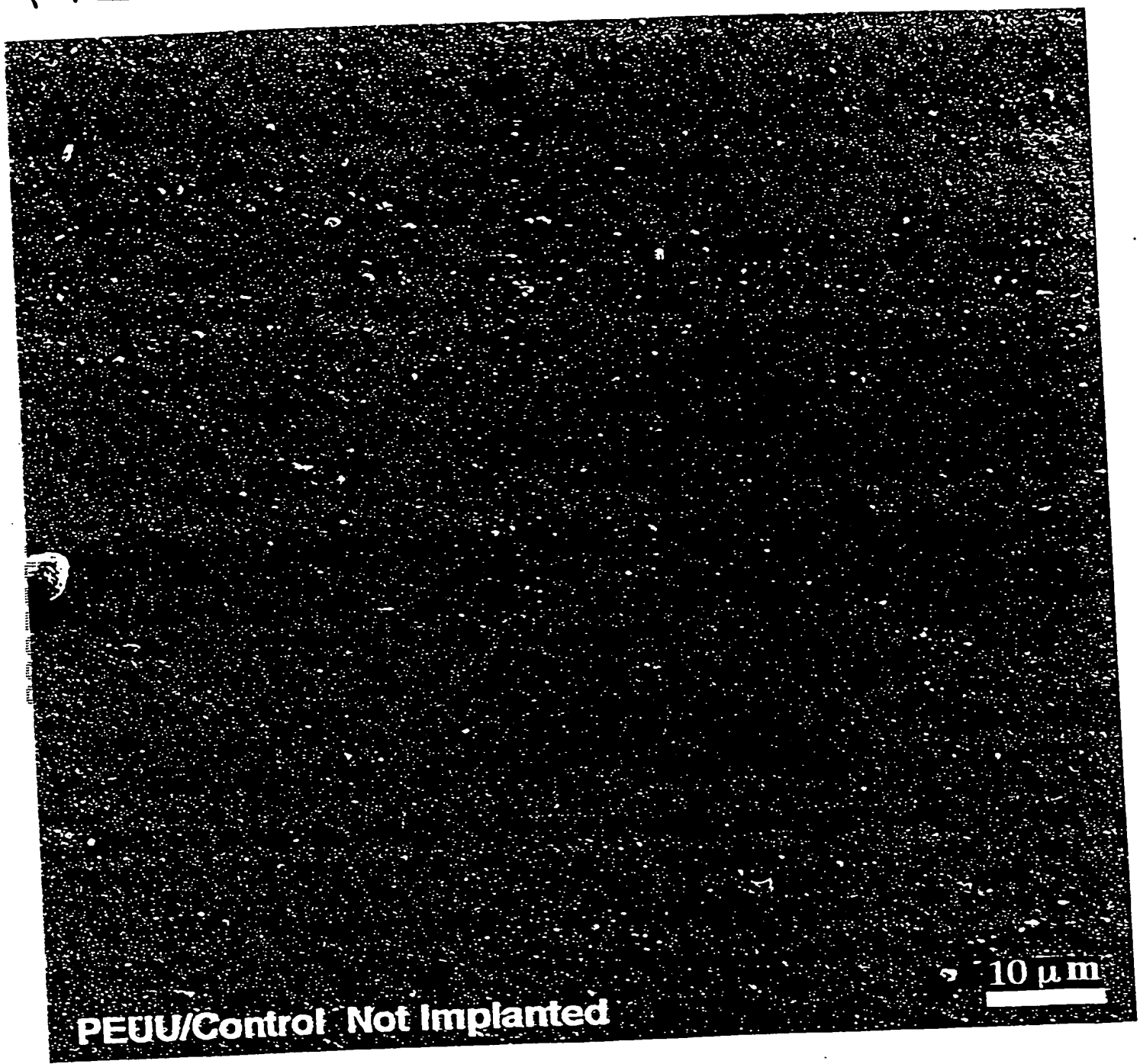
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FIG. 1

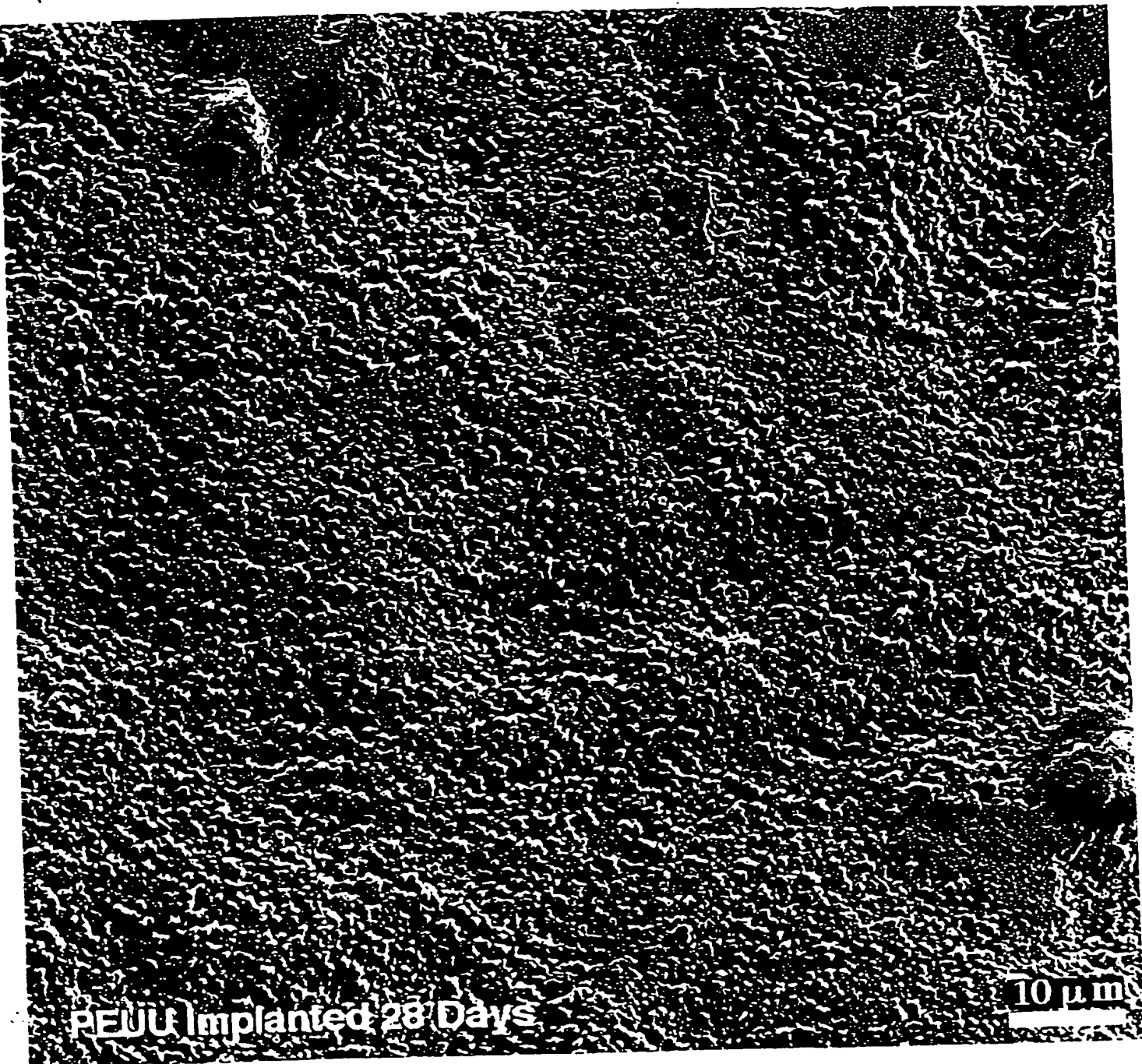


PEUU/Control Not Implanted

10 μ m

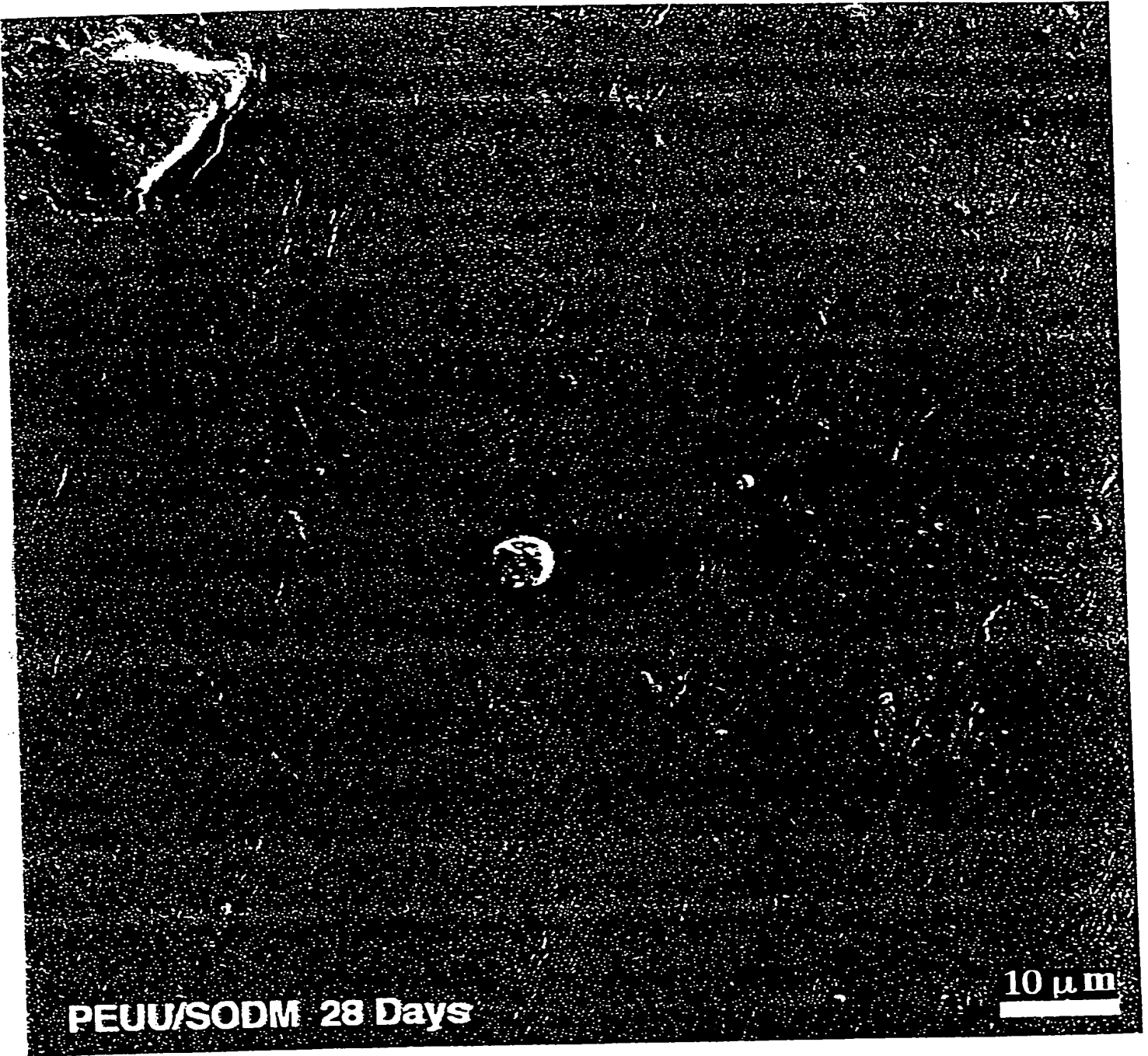
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FIG. 2



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FIG. 3



PEUU/SODM 28 Days

10 μm

FIG. 4

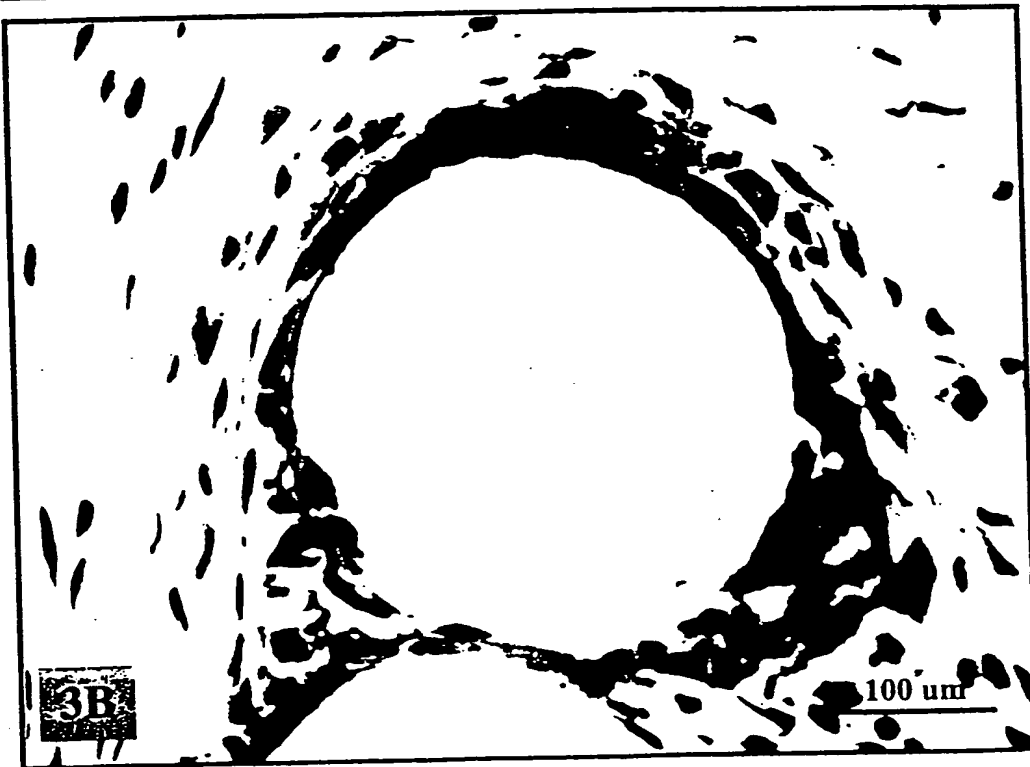
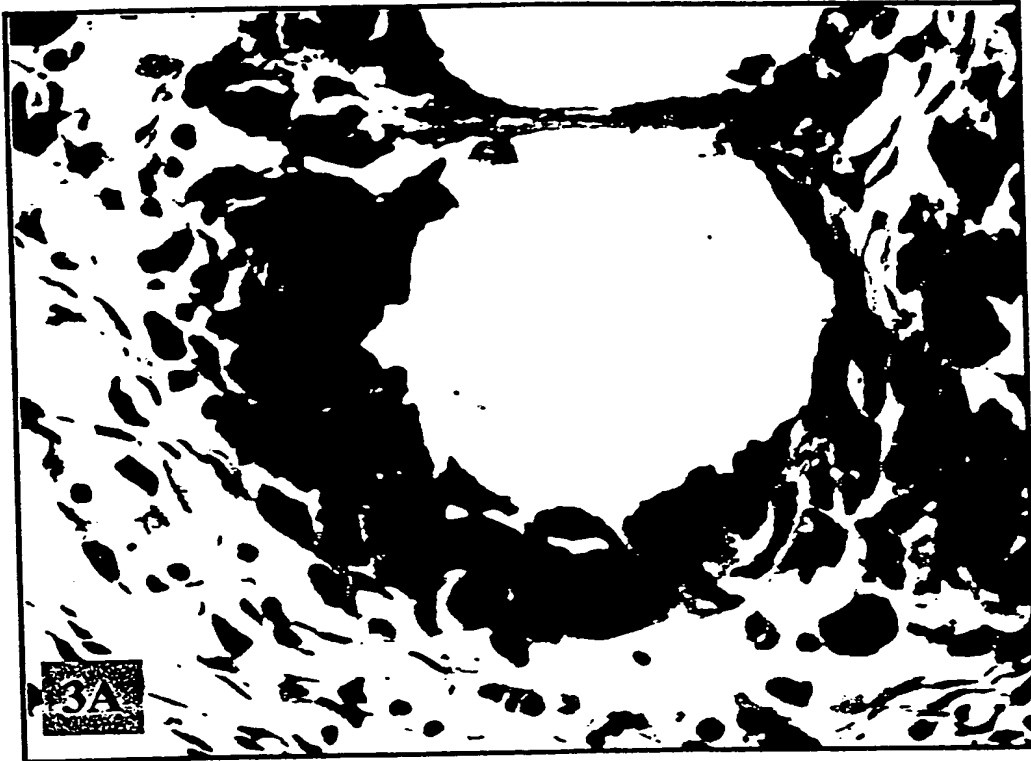


FIG. 5

SODm - Polyethylene Implants at Day 3.

- A. Control. Dense granulation tissue consisting of neutrophils and macrophages lie next to implant. Bar = 20 μ m.
- B. Low dose SODm; Little or no granulation tissue present. Neutrophils rarely observed. Macrophages (arrows) cover implant and are present through out implant capsule.
- C. High dose SODm; Neutrophils are not present in capsule. Macrophage numbers also greatly reduced. Fibroblasts are major cell of capsule.

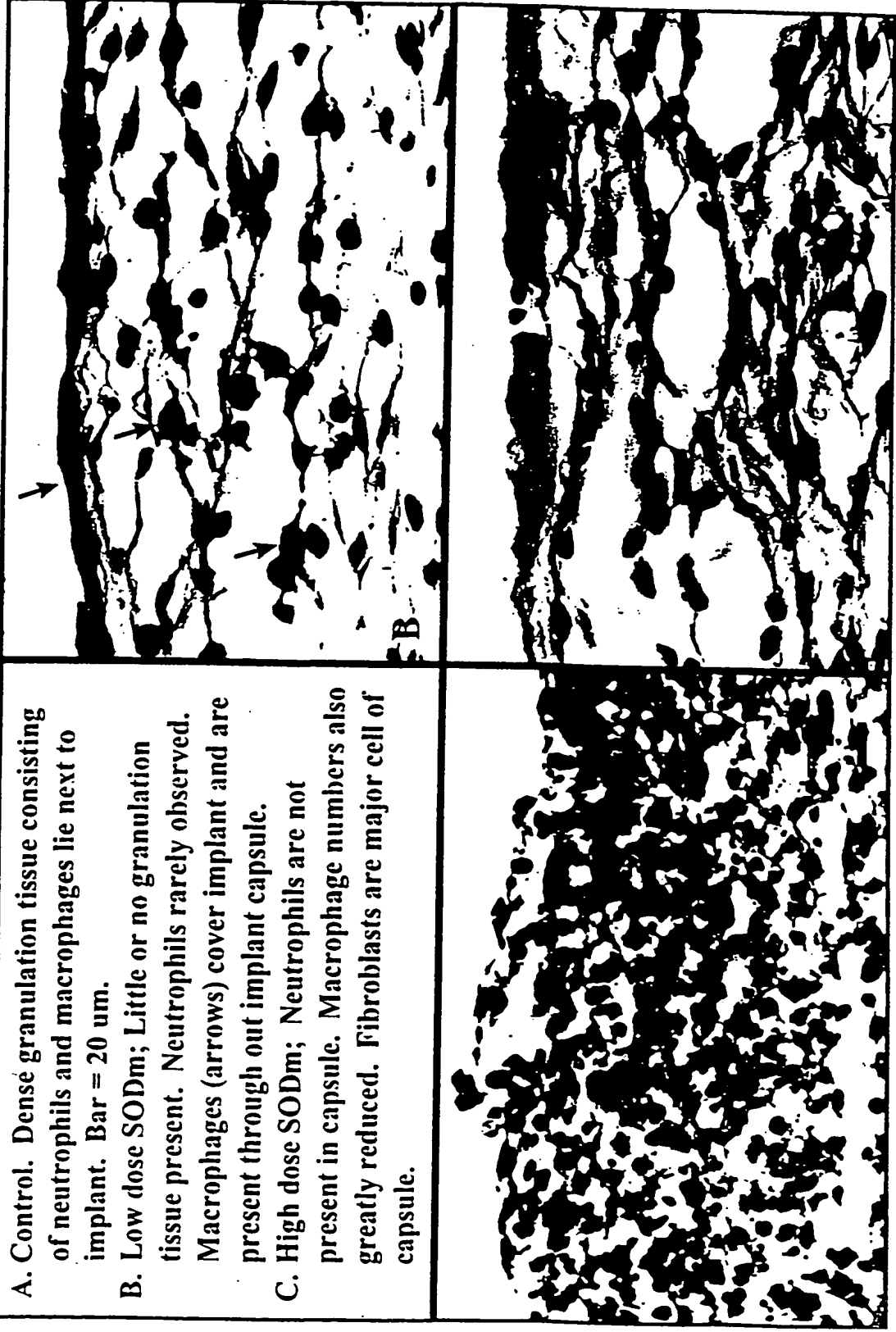


Figure 1 consists of three panels, A, B, and C, showing histological sections of the capsule surrounding the implant. Panel A (Control) shows a thick capsule with many foreign body giant cells (FBGCs) and fibroblasts. Panel B (Low dose SODm) shows a thinner capsule with fewer FBGCs and fibroblasts. Panel C (High dose SODm) shows a very thin capsule with almost no FBGCs or fibroblasts. Arrows in panels B and C point to crevices in the PE surface. A scale bar is present in panel A.

A. Control; Foreign body giant cells, FBGCs,

(arrow) lie immediately next to implant. Implant capsule consists layered fibroblasts and collagen matrix. Bar = 20 μ m.

B. Low dose SODm; FBGCs are reduced but present in crevices long PE surface. Capsule thickness and content similar to control. SODm; FBGCs are rarely

C. High dose SODm; FBGCs not observed. Implant capsule significantly reduced in thickness with fewer cells and less matrix.



Crevice in PE surface.



Effect of SODm on Chronic Inflammation; Foreign Body Giant Cells and Capsule Thickness; Day 28

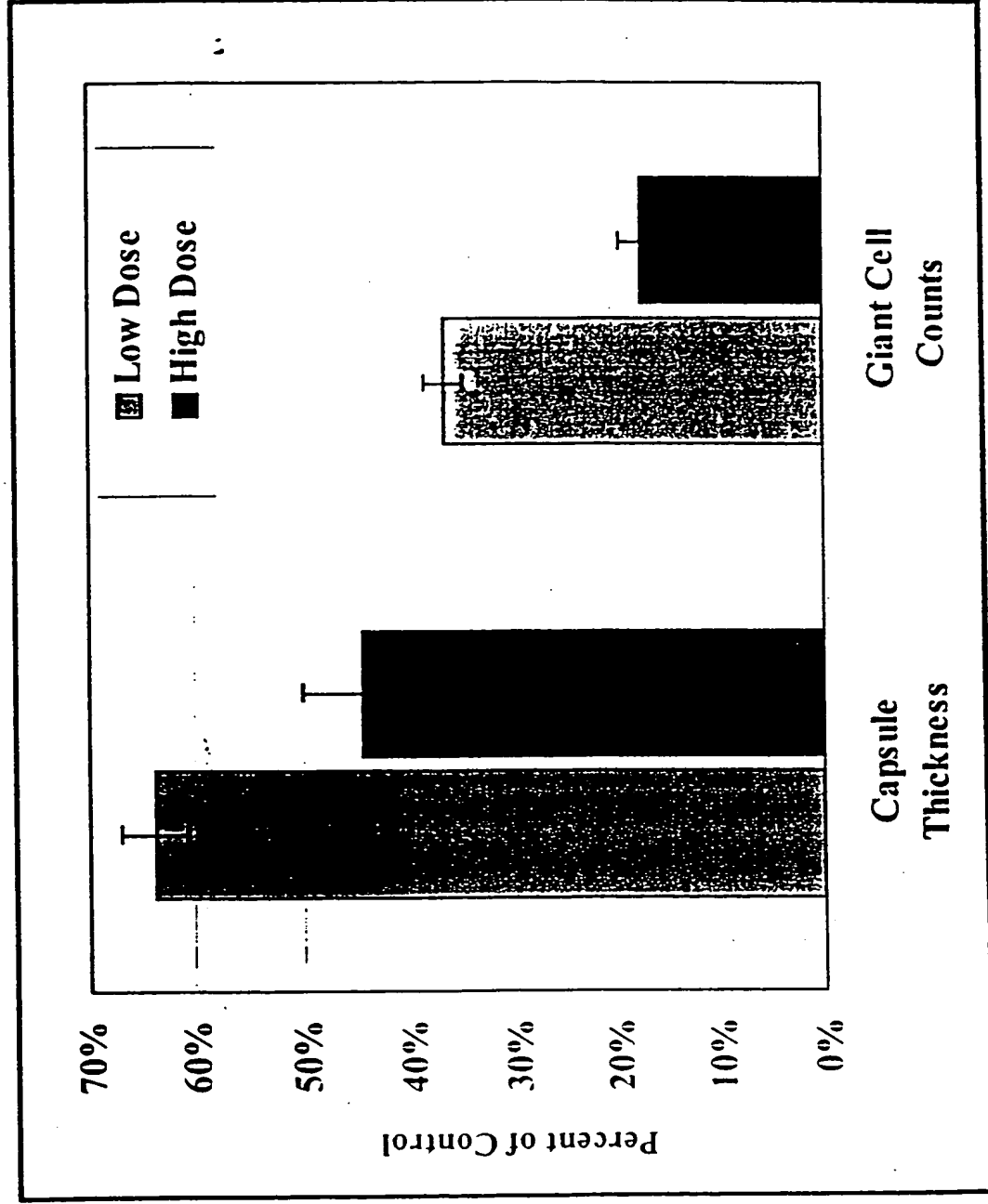


FIG. 8

SODm - Polyurethane Implants at Day 28.

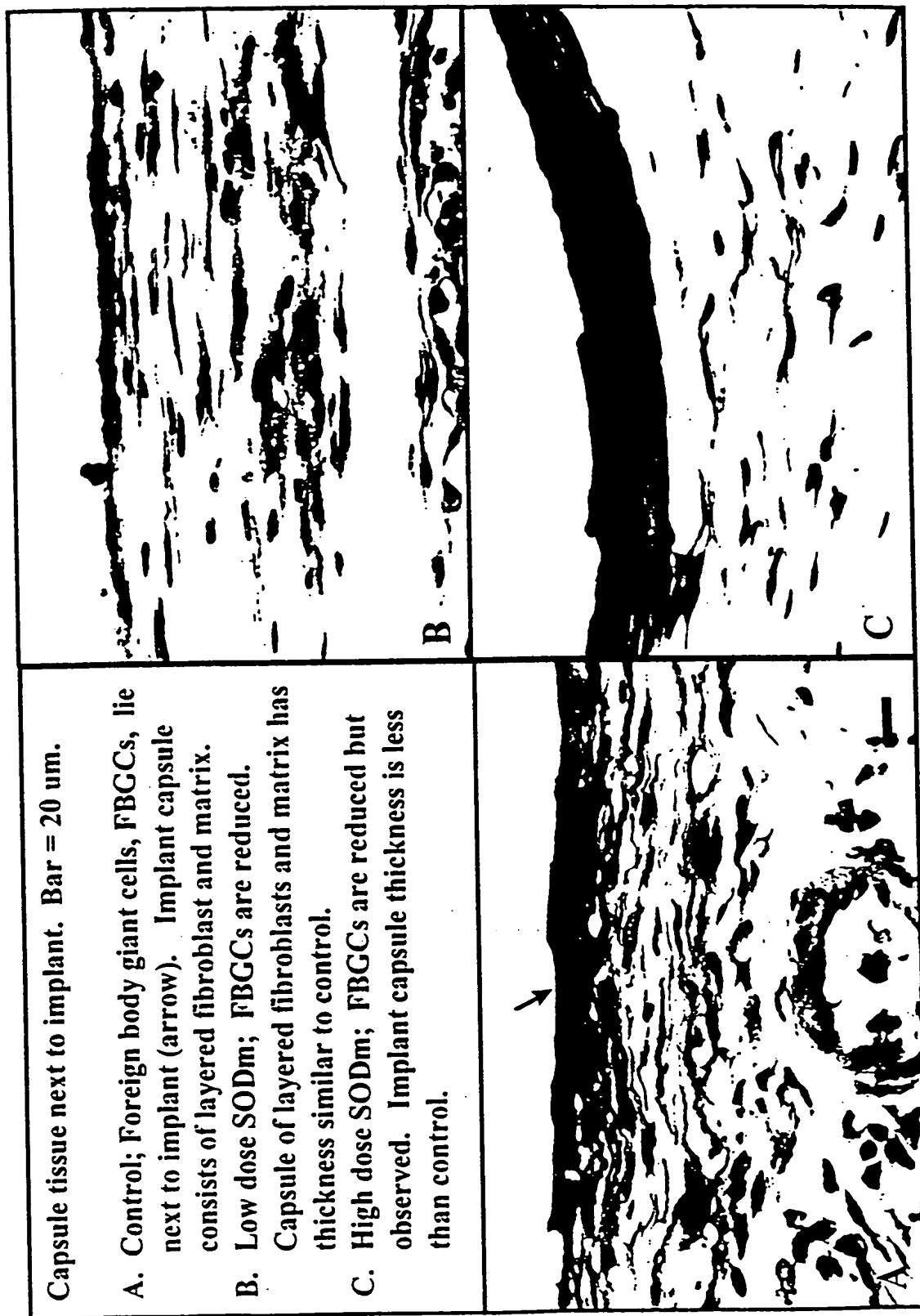


FIG. 9

SODm -Tantalum Implant at 3 days



FIG. 10
SODm -Tantalum Implant at 28 days

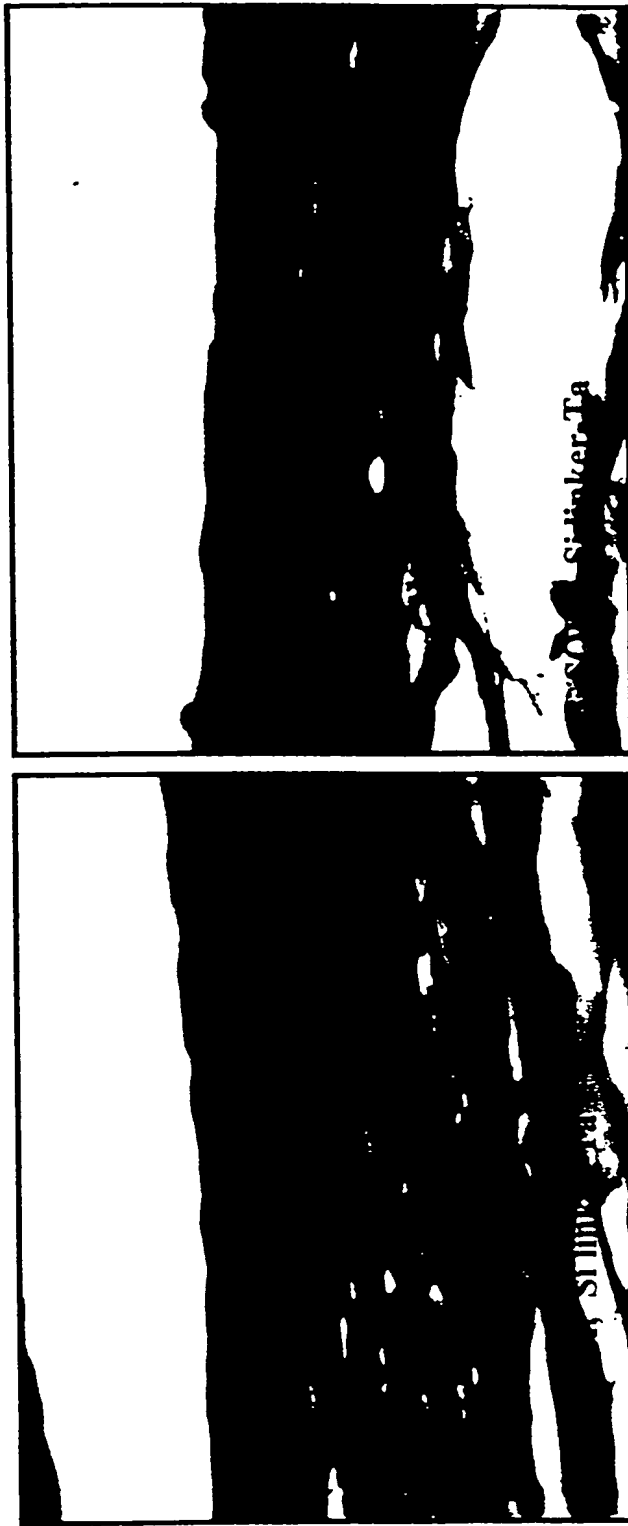


FIG. 13

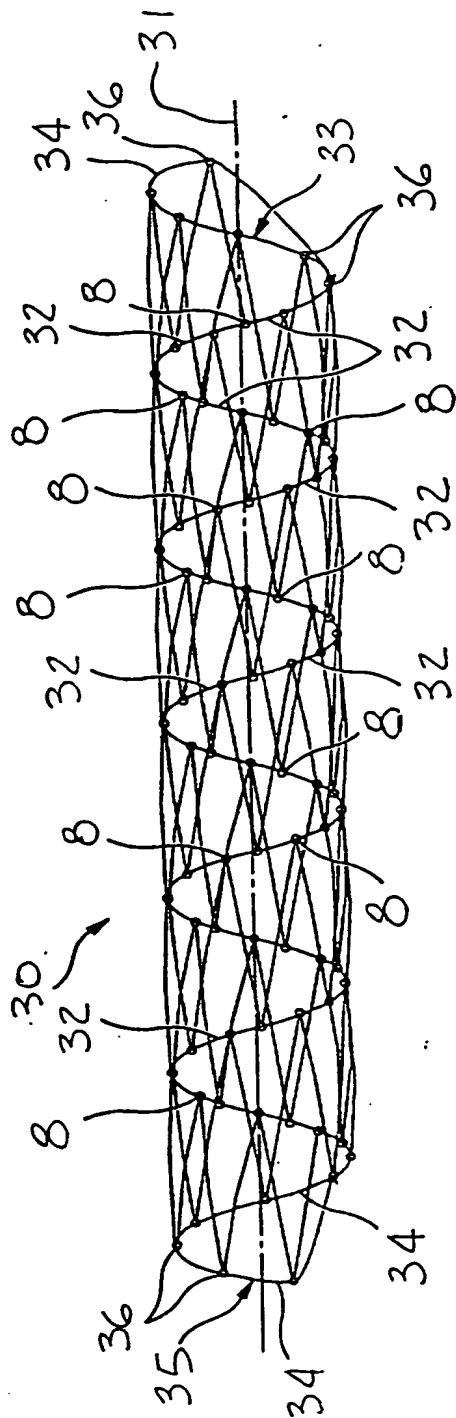


FIG. 14



FIG. 15

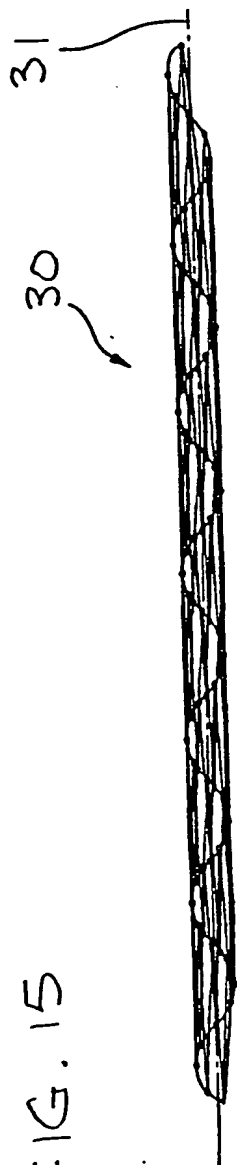


FIG. 16

